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(71) Applicant: **GIVAUDAN SA** [CH/CH]; Chemin de la Parfumerie 5, 1214 Vernier (CH).

(72) Inventors: **ZOU, Yue**; Song Hu Road, Alley 1888, No. 22, Apartment 1102, Shanghai, 200438 (CN). **CHAI, An**; 1702 North Huanzhen Road, 1258 Lane, No. 6, Baoshan District, Shanghai, 200436 (CN). **LIU, Jie**; Ling Hua Road, Alley 51, No. 18, Apartment 502, Shanghai, 200137 (CN). **ZHOU, Lijun**; Room 601 No. 16 Lane 193 Zi Wei Road, Pu Dong Zhang Jiang High Tech Park, Shanghai, 201203 (CN).

(74) Agent: **GLOBAL PATENTS**; Givaudan International SA, Überlandstrasse 138, 8600 Dübendorf (CH).

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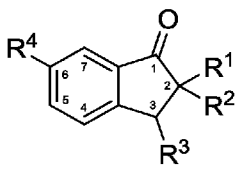

(I)

(57) Abstract: The present invention refers to indanone derivatives of formula (I) wherein R_1, R_2, R_3 and R_4 have the same meaning as given in the description. The invention further refers to perfume compositions and fragrance applications comprising them.

WO 2017/191331 A3

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. C11B9/00 A61K8/35 A61Q13/00 A61L9/01 C11D3/50
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B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EPO-Internal, WPI Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 310 240 A1 (HAARMANN & REIMER GMBH) 14 May 2003 (2003-05-14) paragraph [0002] - paragraph [0004]; claims; examples; table 1	1-10
A	EP 0 162 465 A2 (INT FLAVORS & FRAGRANCES INC) 27 November 1985 (1985-11-27) claims; examples	1-10
X	WO 03/072533 A1 (GIVAUDAN SA) 4 September 2003 (2003-09-04) cited in the application claims; examples	1-10

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Hillebrecht, Dieter

1

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1310240 A1	14-05-2003	AT 306899 T	15-11-2005
		DE 10155554 A1	22-05-2003
		EP 1310240 A1	14-05-2003
		US 2003125584 A1	03-07-2003
EP 0162465 A2	27-11-1985	DE 162465 T1	30-04-1986
		EP 0162465 A2	27-11-1985
		US 4572796 A	25-02-1986
WO 03072533 A1	04-09-2003	AT 482179 T	15-10-2010
		AU 2003201594 A1	09-09-2003
		CN 1615294 A	11-05-2005
		EP 1340741 A1	03-09-2003
		EP 1478616 A1	24-11-2004
		ES 2352191 T3	16-02-2011
		JP 4452509 B2	21-04-2010
		JP 2005519081 A	30-06-2005
		MX PA04006498 A	04-10-2004
		US 2005148493 A1	07-07-2005
		WO 03072533 A1	04-09-2003